

# 1. Davinci快速安装

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# 1. Davinci快速安装

## 1.1. 部署规划

依赖组件	规划
JDK-1.8（或更高版本）	已经安装好
MySQL-5.5（或更高版本）	推荐 MySQL-5.7
Mail Server	暂不部署
<a href="#">phantomjs</a> 或 <a href="#">chromedriver</a>	同 Davinci 安装在一个节点，我们就选择 phantomjs
Redis（可选）	暂不部署
00Davinci	bigdata05

## 1.2. 前置环境准备

### 1.2.1. 安装 phantomjs

phantomjs 用于看板导出与邮件发送，跟 Davinci 安装在同一个节点：

```
cd ~/apps
wget http://npm.taobao.org/mirrors/phantomjs/phantomjs-2.1.1-linux-
x86_64.tar.bz2
sudo yum -y install bzip2
tar -jxvf phantomjs-2.1.1-linux-x86_64.tar.bz2
ln -s phantomjs-2.1.1-linux-x86_64 phantomjs
```

## 1.2.2. 安装 chromedriver

chromedriver 用于看板导出与邮件发送，跟 Davinci 安装在同一个节点：

```
mkdir -p ~/apps/chromedriver
cd ~/apps/chromedriver
wget
http://npm.taobao.org/mirrors/chromedriver/78.0.3904.11/chromedriver_linux64.zip
sudo yum -y install zip unzip
unzip chromedriver_linux64.zip
```

## 1.3. Davinci 部署

### 1.3.1. 物料准备

自己下载安装包：或者使用老师提供的安装包。 <https://github.com/edp963/davinci/releases/>

```
mkdir -p ~/apps/davinci
cd ~/apps/davinci
wget https://github.com/edp963/davinci/releases/download/v0.3.0-beta.9/davinci-
assembly_3.0.1-0.3.1-SNAPSHOT-dist-beta.9.zip
```

### 1.3.2. 安装配置

#### 1.3.2.1. 初始化目录

```
cd ~/apps
mkdir davinci
cd davinci
mv ~/soft/davinci-assembly_3.0.1-0.3.1-SNAPSHOT-dist-beta.9.zip ~/apps/davinci
unzip davinci-assembly_3.0.1-0.3.1-SNAPSHOT-dist-beta.9.zip
rm -rf davinci-assembly_3.0.1-0.3.1-SNAPSHOT-dist-beta.9.zip
```

解压缩后目录结构如下图：

```
[bigdata@bigdata02 davinci]$ ll
total 44
drwxr-xr-x 4 bigdata bigdata 242 Mar  2  2020 bin
drwxr-xr-x 2 bigdata bigdata  93 Mar 17 17:35 config
drwxr-xr-x 2 bigdata bigdata 8192 Mar 17 17:18 davinci-ui
drwxr-xr-x 2 bigdata bigdata 12288 Mar  5 21:21 lib
drwxr-xr-x 4 bigdata bigdata  29 May 19  2019 logs
-rw-r--r-- 1 bigdata bigdata 4282 Mar  3  2020 README-CH.md
-rw-r--r-- 1 bigdata bigdata 4571 Mar  3  2020 README.md
drwxr-xr-x 2 bigdata bigdata   6 Aug  7  2019 userfiles
[bigdata@bigdata02 davinci]$
```

### 1.3.2.2. 环境变量

配置环境变量方便使用：

```
vim ~/.bashrc
```

添加如下内容：

```
export DAVINCI3_HOME=/home/bigdata/apps/davinci
export PATH=$DAVINCI3_HOME/bin:$PATH
```

最后使环境变量生效：

```
source ~/.bashrc
```

### 1.3.2.3. 初始化数据库

创建数据库及用户。在 bigdata02 上：

```
mysql -uroot -p
```

```
set global validate_password_policy=0;
set global validate_password_mixed_case_count=0;
set global validate_password_number_count=3;
set global validate_password_special_char_count=0;
set global validate_password_length=3;
CREATE DATABASE IF NOT EXISTS davinci3 DEFAULT CHARSET utf8 COLLATE
utf8_general_ci;
CREATE USER 'davinci'@ '%' IDENTIFIED BY 'Qwer_1234';
GRANT ALL PRIVILEGES ON *.* TO 'davinci'@ '%' IDENTIFIED BY 'Qwer_1234';
FLUSH PRIVILEGES;
exit
```

建表

```
vim $DAVINCI3_HOME/bin/initdb.sh
```

内容修改为：

```
mysql -h bigdata02 -P 3306 -u root -p davinci3 < $DAVINCI3_HOME/bin/davinci.sql
```

保存退出，然后增加执行权限：

```
chmod u+x $DAVINCI3_HOME/bin/initdb.sh
```

最后执行initdb.sh:

```
sh $DAVINCI3_HOME/bin/initdb.sh
```

执行结果：

```
mysql> use davinci3;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

Database changed

```
mysql> show tables;
```

```
+-----+
| Tables_in_davinci3 |
+-----+
| cron_job            |
| dashboard           |
| dashboard_portal    |
| davinci_statistic_duration |
| davinci_statistic_terminal |
| davinci_statistic_visitor_operation |
| display             |
| display_slide       |
| download_record     |
| favorite            |
| mem_dashboard_widget |
| mem_display_slide_widget |
| organization         |
| platform            |
| project             |
| rel_project_admin   |
| rel_role_dashboard  |
| rel_role_dashboard_widget |
| rel_role_display    |
| rel_role_display_slide_widget |
| rel_role_portal     |
| rel_role_project    |
| rel_role_slide      |
| rel_role_user       |
| rel_role_view       |
| rel_user_organization |
| role                |
| share_download_record |
| source              |
| star                |
| user                |
| view                |
| widget              |
+-----+
```

```
33 rows in set (0.00 sec)
```

### 1.3.2.4. 初始配置

进入 config 目录，将 application.yml.example 重命名为 application.yml：

```
cd $DAVINCI3_HOME/config  
mv application.yml.example application.yml
```

注意：由于 davinci 使用 yml 作为应用配置文件格式，请务必确保每个配置项键后的冒号和值之间至少有一个空格

```
vim application.yml
```

主要配置如下：

```
# <<  
# Davinci  
# ==  
# Copyright (C) 2016 - 2019 EDP  
# ==  
# Licensed under the Apache License, Version 2.0 (the "License");  
# you may not use this file except in compliance with the License.  
# You may obtain a copy of the License at  
#     http://www.apache.org/licenses/LICENSE-2.0  
# Unless required by applicable law or agreed to in writing, software  
# distributed under the License is distributed on an "AS IS" BASIS,  
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
# See the License for the specific language governing permissions and  
# limitations under the License.  
# >>  
  
#server配置  
server:  
  protocol: http  
  address: bigdata02  
  port: 8080  
  
  servlet:  
    context-path: /  
  
  # Userd for mail and download services, can be empty, careful configuration  
  # By default, 'server.address' and 'server.port' is used as the string value.  
  # access:  
  #   address:  
  #   port:  
  
## jwt is one of the important configuration of the application  
## jwt config cannot be null or empty  
jwtToken:  
  secret: secret  
  timeout: 1800000  
  algorithm: HS512
```

```
##your datasource config
source:
  initial-size: 2
  min-idle: 1
  max-wait: 6000
  max-active: 10
  break-after-acquire-failure: true
  connection-error-retry-attempts: 0
  query-timeout: 600000
  validationQueryTimeout: 30000

  enable-query-log: false
  result-limit: 1000000

spring:
  mvc:
    async:
      request-timeout: 30s

## davinci datasource config(数据库配置)
datasource:
  url: jdbc:mysql://bigdata02:3306/davinci3?
useUnicode=true&characterEncoding=UTF-
8&zeroDateTimeBehavior=convertToNull&allowMultiQueries=true
  username: root
  password: Qwer_1234
  driver-class-name: com.mysql.jdbc.Driver
  initial-size: 2
  min-idle: 1
  max-wait: 60000
  max-active: 10

## redis config
## please choose either of the two ways
redis:
  isEnabled: false

## standalone config
host: 127.0.0.1
port: 6379

## cluster config
# cluster:
# nodes:

password:
database: 0
timeout: 1000
jedis:

pool:
  max-active: 8
  max-wait: 1
  max-idle: 8
  min-idle: 0

## mail is one of the important configuration of the application
## mail config cannot be null or empty
```

```

## some mailboxes need to be set separately password for the SMTP service)
## 特别注意: 0.3 版本用户采用注册激活的方式维护, 所以 mail 配置是此版本必不可少的, 且 mail 配置出错率较高, 请务必注意
## mail 配置并不复杂, username为邮箱地址, password邮箱服务密码, 需要注意的是常见免费邮箱(如163 邮箱、QQ 邮箱、gmail 等)这里应填客户端独立密码, 可前往对应邮箱账号设置页面开启 SMTP 服务, 并申请客户端授权码(或独立密码, 各邮箱提供商叫法不同)。

mail:
  host: smtp.qq.com
  port: 587

  #您的邮箱账号
  username: your_qq@qq.com
  fromAddress: your_qq@qq.com
  password: jiagyygmfkymbhij      # 在QQ邮箱中, 开通SMTP服务, 然后会生成一个授权码, 复制过来放在这里。
  nickname: Davinci

  properties:
    smtp:
      starttls:
        enable: true
        required: true
      auth: true
    mail:
      smtp:
      ssl:
        enable: false

    ldap:
      urls:
      username:
      password:
      base:
      domainName:      # domainName 指 企业邮箱后缀, 如企业邮箱为: xxx@example.com, 这里值为 '@example.com'

  screenshot:
    default_browser: PHANTOMJS      # PHANTOMJS or CHROME
    timeout_second: 600
    phantomjs_path: /home/bigdata/apps/phantomjs
    chromedriver_path: /home/bigdata/apps/chromedriver

  data-auth-center:
    channels:
      - name:
        base-url:
        auth-code:

  statistic:
    enable: true
    # You can use external elasticsearch storage [127.0.0.1:9300], default davinci
    datasouce
    elastic_urls:
    elastic_index_prefix:

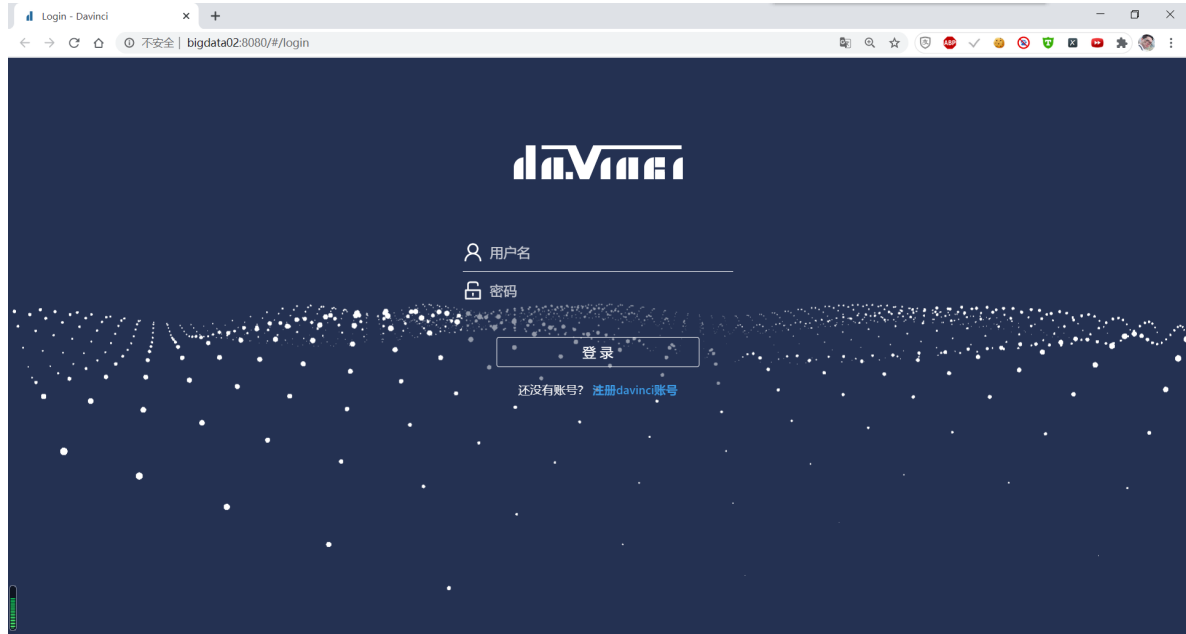
```

### 1.3.3. 启停

```
$DAVINCI3_HOME/bin/start-server.sh  
$DAVINCI3_HOME/bin/stop-server.sh
```

### 1.3.4. web UI

访问: <http://bigdata05:8080/>



### 1.3.5. 注册登录

注意: Davinci 需要注册登录!